

January 16, 2024

TO: Members of the MAG Transportation Safety Committee

FROM: Tony Abbo, Glendale, Chair

SUBJECT: NOTIFICATION AND TRANSMITTAL OF TENTATIVE AGENDA
Tuesday, January 23, 2024 – 10:00 a.m.
302 N. First Avenue, Suite 200, Ironwood Room
Phoenix, AZ 85353; Virtual Option Available

The MAG Transportation Safety Committee meeting has been scheduled at the time and place noted above. The meeting is open to in-person attendance for both committee members and the public. Virtual options also are available. Members of the committee wishing to attend virtually will receive instructions via email. Members of the public not attending in person may listen to the meeting via a live video stream on MAG's [YouTube Channel](#).

Opportunities will be provided to members of the public to provide public comments. Those attending in person may address the committee during the appropriate comment period(s). For those not attending in person, written comments relating to this meeting may be submitted online at azmag.gov/comment. Comments must be received at least two hours prior to the posted start time for the meeting. Comments received by the deadline will be provided to members of the committee in advance of the meeting. If comments are received after the deadline, comments will need to be resubmitted prior to the next meeting of the committee.

In 1996, the Regional Council approved a simple majority quorum for all MAG advisory committees. If the Committee does not meet the quorum requirement, members who have joined the meeting will be notified that a legal meeting cannot occur and the meeting will end. Your participation in the meeting is strongly encouraged.

Pursuant to Title II of the Americans with Disabilities Act (ADA), MAG does not discriminate on the basis of disability in admissions to or participation in its public meetings. Persons with a disability may request a reasonable accommodation, such as a sign language interpreter, by contacting the MAG office. Requests should be made as early as possible to allow time to arrange the accommodation.

MAG works to ensure full compliance with Title VI of the Civil Rights Act of 1964, the Civil Rights Restoration Act of 1987, Executive Order 12898 on Environmental Justice, and related authorities and regulations in all programs and activities. See our full [Title VI Notice to the Public](#) for more information. If you have any questions regarding the meeting, please contact MAG at (602) 254-6300.



MAG Transportation Safety Committee

TENTATIVE AGENDA

January 23, 2024

1. Call to Order

2. Call to the Audience

An opportunity will be provided to members of the public to address the Transportation Safety Committee on items that are not on the agenda that are within the jurisdiction of MAG, or on items on the agenda for discussion but not for action. Members of the public who are attending the meeting in person are asked to fill out a comment card and provide it to MAG staff. Those attending virtually are provided the option of submitting written comments related to this meeting through the MAG website at azmag.gov/comment, and indicate for which meeting the comment is intended. Comments must be received at least two hours prior to the posted start time for the meeting. Comments received by the deadline will be provided to members of the committee in advance of the meeting. If comments are received after the deadline, comments will need to be resubmitted prior to the next meeting of the committee. Comments must not exceed three minutes in length. A total of 15 minutes will be provided for the Call to the Audience agenda item, unless the Chair requests an exception to this limit. Please note that members of the public attending in person may comment on agenda items posted for action at the time the item is heard.

Action Requested:
Information.

3. **Program Mangers Report**

The MAG Transportation Safety and Operations Program Manager will review recent safety planning activities and upcoming agenda items for other MAG committees and other related regional safety activities.

Action Requested:

Information.

4. **Approval of Minutes**

Approval of the November 28, 2023, meeting minutes.

Action Requested:

Approval.

5. **FY 2027 and 2028 Highway Safety Improvement Program Call for Project Applications**

The Arizona Department of Transportation (ADOT) issued a call for Highway Safety Improvement Program (HSIP) project applications on January 4, 2024. This call for projects will provide HSIP funds for eligible road safety improvement projects in Fiscal Year (FY) 2027 and FY 2028. The approximate amount available for the statewide competition in FY 2027 is \$32.7 million and \$56.1 million in FY 2028.

ADOT Traffic Safety staff will provide a presentation on the new HSIP programming process, timeline for submittal, and guidance for FY 2027 and 2028 HISP projects.

Action Requested:

Information and discussion.

6. **FY 2024 Recommended Roadway Safety Assessment and Project Assessment Program Projects**

The Fiscal Year (FY) 2024-2025 Biennial Unified Planning Work Program and Budget approved by MAG Regional Council on May 24, 2023, provides \$200,000 for administration of Road Safety Assessment (RSA) and Project

Assessment (PA) Program projects. A working group has identified a list of projects to be conducted in the FY 2024 RSA program. The working group utilized a data-driven process to review the candidate RSA locations from a list of intersections ranked by crash risk utilizing 2018-2022 data. This review resulted in the recommendation of five projects for conducting RSAs at eight intersections and a PA at one intersection. The total amount estimated for conducting the RSAs and PA is \$200,000, and the projects will be administered through five separate MAG Transportation Safety on-call task orders.

The enclosed material includes the list of FY 2024 RSA and PA projects recommended by the working group.

Action Requested:

Information and discussion.

7. Reports by Committee Members

Members will be provided an opportunity to share information related to ongoing safety-related project activities in their jurisdictions.

Action Requested:

Information.

8. Request for Future Agenda Items

Topics or issues of interest that the Transportation Safety Committee would like to have considered for discussion at a future meeting will be requested.

Action Requested:

Information.

9. Next Meeting Date and Time

The next meeting of the Transportation Safety Committee will be held at 10:00 a.m. on Tuesday, March 26, 2024. Attendance in-person is encouraged. The meeting will be held at MAG, on the second floor, in the Ironwood room. Virtual options will also be available.

Action Requested:

Information.

Adjournment

DRAFT MINUTES OF
MARICOPA ASSOCIATION OF GOVERNMENTS
TRANSPORTATION SAFETY COMMITTEE MEETING
November 28, 2023

This meeting was also conducted virtually via Zoom.

[Video recording of the meeting.](#)

<u>MEMBERS ATTENDING IN PERSON</u>	<u>MEMBERS ATTENDING VIRTUALLY</u>
Apache Junction: Shane Kiesow, Chair FHWA: Glen Robison Glendale: Tony Abbo, Vice Chair Maricopa (County): Mazen Muradvich Tempe: Michelle Beckley	Avondale: Ward Stanford as proxy for Raj Thoutam Buckeye: Frank Gonani Chandler: Raymond Huang El Mirage: Nick Russo Gilbert: Aaron Pinkerton Litchfield Park: Keith Drunasky Mesa: Stephan Bach Peoria: Austin Kennedy as proxy for Brandon Forrey Phoenix: Carl Langford Scottsdale: Sam Taylor Surprise: Dana Owsiany Valley Metro: Adrian Ruiz University of Arizona: Alyssa Ryan <u>MEMBERS NOT PRESENT</u> Arizona DPS: Sergeant Craig Martin ADOT: Kerry Wilcoxon Florence: Christopher Salas Goodyear: Hugh Bigalk GOHS: Jesse Torrez, Chief Executive Officer Maricopa (City): Kerry Osborn Pinal County: Tara Harman Queen Creek: Jan Martin

1. Call to Order

The meeting of the MAG Transportation Safety Committee (TSC) was called to order at 10:01 a.m. A quorum of the TSC was present. The following TSC members participated in person: Shane Kiesow, Glen Robison, Tony Abbo, Mazen Muradvich and Michelle Beckley. The following members participated virtually: Ward Stanford as proxy for Raj Thoutam, Frank Gonani, Raymond Huang, Nick Russo, Aaron Pinkerton, Keith Drunasky, Stephan Bach, Austin Kennedy as proxy for Brandon Forrey, Carl Langford, Sam Taylor, Dana Owsiany, Adrian Ruiz, and Alyssa Ryan.

2. Call to the Audience

Chair Kiesow stated members of the public were asked to submit written comments related to this meeting through the MAG website. Comments may be sent online via MAG website at any time leading up to the meeting but must be received at least two hours prior to the posted start time for the meeting for this item. Members of the public also have the option to comment in person. This is an opportunity for the public to comment on items that fall under MAG's jurisdiction that are not on the agenda, or that are on the agenda for discussion and not for action. Chair Kiesow confirmed that no request to speak cards were submitted.

Chair Kiesow asked staff if any written public comments were submitted. Mohammad Shaheed, MAG Transportation Engineer III, stated there was one written comment submitted for this item and has been provided to the members of committee in advance of this meeting for consideration and will be included in the formal minutes of the meeting.

3. Program Manager's Report

Chair Kiesow invited MAG Transportation Safety & Operations Program Manager, Margaret Herrera, to provide a report on MAG Safety Program activities of interest and oversight of the MAG Transportation Safety Committee.

FY 2023/2024 Project Updates: Mrs. Herrea and safety staff provided update on the FY 2022 predictive safety implementation project, FY 2022-23 Regional Priority Safety Implementation Toolkit project, FY 2023 pedestrian/bicyclist near-miss analysis projects, FY 2023 Safe Routes to School studies, FY 2023 Local Agency Safety Study, FY 2024 Safe Routes to School studies, FY 2024 See Me AZ Program, FY 2024 Strategic Transportation Safety Plan, and FY 2024 Vulnerable Road User Network Screening projects.

Vice Chair Nomination: Mrs. Herrea updated the committee on receiving one letter of interest from Mazen Muradvich of Maricopa County Department of Transportation for the Vice Chair position and informed that current Vice Chair Tony Abbo would ascend to the position of Chair and Mr. Muradvich would become the Vice Chair for the next two years starting from January 2024 and ending on December 31, 2025.

Roadway Safety Program Workshop: Mrs. Herrera updated the committee on the schedule of upcoming Roadway Safety Assessment Program Workshop for new on-call consultants. The topics would include new processes for new Roadway Safety Assessment Processes and incorporation of Safe System Approach in safety assessment and projects. The workshop would be facilitated by MAG Safety Program Associate Mike Kuzel and scheduled to be held on January 23, 2024, from 1:00 PM to 4:00 PM.

MAG TIP Grant Resource Webpage: Mrs. Herrera informed the committee about the recent updates made on the Transportation Improvement Program (TIP) webpage. Mrs. Herrera mentioned that information about discretionary federal and other funding programs can be found on the TIP webpage with the associated link under the Grants tab. Mrs. Herrera requested Glen Robison to provide any federal updates. Mr. Robison informed that there would be an update from FHWA next month on the next round of Safe Street & Roads for All (SS4A) grant applications opening in February 2024.

4. Approval of July 25, 2023, Meeting Minutes

Chair Kiesow asked if any committee members had questions or comments on the September 26, 2023, meeting minutes. There were none. Chair Kiesow informed that he had not received any request cards from the members of the public to speak on this item and asked staff if any written public comments were submitted for this item. Mohammad Shaheed, MAG Transportation Engineer III, stated there were no written comments submitted for this item.

Vice Chair Abbo moved to approve the September 26, 2023, meeting minutes as written. Mr. Muradvich seconded the motion. Chair Kiesow, Mr. Robison, Ms. Beckley, Mr. Gonani, Mr. Huang, Mr. Russo, Mr. Pinkerton, Mr. Drunasky, Mr. Bach, Mr. Kennedy as proxy for Brandon Forrey, Mr. Langford, Mr. Taylor, Ms. Ruiz, and Ms. Ryan voted in favor. Ms. Owsiany and Mr. Stanford as proxy for Raj Thoutam abstained from voting. The motion passed.

5. Local Agency Safety Studies Request: Scottsdale Road – Paradise Lane to Mayo Boulevard

The next item heard on the agenda was for information and discussion only. Chair Kiesow invited Margaret Herrera, MAG Transportation Safety & Operations Program Manager, to introduce the presenter, Sam Taylor from the City of Scottsdale on this item. Ms. Herrera provided an overview and background of the Local Agency Safety Studies (LASS) and requested Sam Taylor to provide a brief presentation on the road safety assessment for which LASS funding is being requested for an amount of \$60,000 during FY 2024. Mr. Taylor provided a brief description of the study corridor on Scottsdale Road and mentioned the high-density future developments on the vacant land parcels surrounding the corridor and its potential safety & operational impacts on the study corridor. Mr. Taylor informed that two of three segments of the corridor ranked in the top 11 for total number of collisions in City of Scottsdale's network screening list. Mr. Taylor mentioned that review of the recently conducted Traffic Impact Analyses (TIA) for the upcoming developments would be part of the road safety assessment to recommend safety improvements aligned with the future developments and growth on this corridor. Mr. Taylor said that west portion of the corridor is within City of Phoenix and may have a stake in the study as they have reviewed a number of TIAs for developments in their portion of the city.

Chair Kiesow asked if any committee members had questions on this item. Mrs. Herrera mentioned that national practice is inclining towards incorporating Safe System elements in the processes and development and this study could be a case study for that Purpose. Mr. Langford asked about the type of safety recommendations this study is expected to yield as the corridor is mostly built with major elements including curbs, gutters, travel lanes etc. Mr. Taylor answered that signal modification and access control are the major recommendations expected. Mr. Langford voiced his support for the study. Chair Kiesow mentioned that there may need to be a degree of coordination with Arizona Department of Transportation for this project as the corridor is adjacent State Route Loop 101.

Chair Kiesow confirmed that he had not received any request card to comment and asked if any written comments were received for this agenda item and Mr. Shaheed stated there were no written comments submitted for this item.

6. Top 100 List of Intersections Ranked by Crash Risk Utilizing MAG Regional Crash Data 2018-2022

The next item heard on the agenda was for information and discussion only. Chair Kiesow invited Mohammad Shaheed, MAG Transportation Engineer III, to provide a presentation on this item. Mr. Shaheed provided a brief overview of the MAG network screening process for the intersections in the MAG region. Mr. Shaheed briefly explained the Intersections Safety Score (ISS), the composite metric used for regionwide annual intersection screening and basis for identifying Road Safety Assessment locations. Mr. Shaheed highlighted the changes in the crash costs for different severity of crashes occurring from 2018 and onward as per ADOT adoption and mentioned that network screening result was revised based on the new crash costs. Mr. Shaheed provided a summary of crash risk ranking for the latest five years of available data (2018-2022) including the largest leap and drop in ranking, new and existing locations in the current list, agencies with locations in the current list etc. Mr. Shaheed informed that the top 100 list of locations and the map would be posted shortly after the meeting followed by convening an RSA working group meeting to finalize the RSA locations based on site specific crash data analysis and discussion.

Chair Kiesow asked if any committee members had questions on this item. Vice Chair Abbo asked if it possible to provide another column for the top 100 list to show the changes in the ranking of the locations compared to the previous year's list. Mr. Shaheed answered that this information is made available to the member agencies during the RSA working Group meeting and defer to Mrs. Herrera for answering whether the requested information can be made available on MAG webpage. Mrs. Herrera responded that input and comments would be gathered from the committee members to consider including this information in the future list. Mr. Muradvich asked if MAG investigates what may be the contributing factors for locations experiencing drop in ranking compared to previous years. Mr. Shaheed responded in affirmative mentioning that MAG considers factors such as whether RSA or safety improvement projects had been implemented at those locations showing improved ranking. Mrs. Herrea added there may be more than one factor that can be attributed to the drop in ranking for locations and MAG strives to improve safety of all locations irrespective of those being in top 100 list or not. Ms. Owsiany mentioned that she was pleased to see the improvement in ranking for the intersection at Bell Road & Litchfield Road as this is one of the busiest ones in the City of Surprise and some of the safety improvements implemented at this location may be contributing.

Chair Kiesow confirmed that he had not received any request card to comment and

asked if any written comments were received for this agenda item and Mr. Shaheed stated there were no written comments submitted for this item.

7. SEE ME AZ FY 2022-2023 Program Report

The next item heard on the agenda was for information and discussion only. Chair Kiesow invited Chris Gottsacker, MAG Transportation Engineer II, to provide a presentation on this item. Mr. Gottsacker provided a high-level overview of the See Me AZ program report that can be made available upon request by the members. Mr. Gottsacker highlighted the alarming increase in pedestrian and bicyclist fatalities over the last several years in the MAG region. Mr. Gottsacker provided a temporal timeline of the See Me AZ program starting from the formation of the working group back in 2017 to the latest program efforts including new media contract, survey etc. in 2023. Then Mr. Gottsacker discussed some of the program results for the media and survey components. Mr. Gottsacker highlighted almost 11.8 million people viewed digital ads and almost 4.8 million viewed radio and video ads during the FY 2022-2023 and 97.3% of the audience watched the video ads entirely. Mr. Gottsacker mentioned that all of the See Me AZ advertisement categories met or exceeded the industry benchmark in terms of reach and engagement. Mr. Gottsacker presented the results of a key survey questions asking the participants to rate different behavior from least to very dangerous. Mr. Gottsacker showed the results in terms of percentage of survey respondent rating different behaviors as dangerous or very dangerous for three different time period including the benchmark period and two other time periods after the See Me AZ program got introduced. There was not a significant difference in percentage for the three-time periods. Mr. Gottsacker talked about partnership efforts and opportunities such as creating testimonials through MAG Human Services Division outreach and bike/pedestrian safety advocacy groups. Mr. Gottsacker encouraged committee members to inform MAG of individuals interested to provide testimonials and upcoming or planned events related to pedestrian and bicyclist safety so that See Me AZ program materials can be distributed to the event participants help increase the visibility of the program. Mr. Gottsacker then discussed the FHWA Focused Approach to Safety and Rutgers University assistance in this regard. Focused Approach to Safety team identified six goal categories through literature review with each category containing some example strategies with the ultimate goal to develop an evaluation framework for the program. Mrs. Herrea mentioned that the Technical Advisory Group (TAG) has been active since the beginning of this program and asked Chris Gottsacker to inform the committee

members about the current members in the task force. Mr. Gottsacker provided information on the current agency members participating in the task force and welcomed member agencies to join the task force for its expansion.

Chair Kiesow confirmed that he had not received any request card to comment and asked if any written comments were received for this agenda item and Mr. Shaheed stated there were no written comments submitted for this item.

8. MCDOT High Friction Surface Treatment

The next item heard on the agenda was for information and discussion only. Chair Kiesow invited Mazen Muradvich, Maricopa County Department of Transportation (MCDOT) Civil Engineer, to provide a presentation on this item. Mr. Muradvich presented on the Highway Safety Improvement Program (HSIP) funded pilot project for High Friction Surface Treatment (HFST) on pavement. Mr. Muradvich highlighted the overrepresentation of high severity for roadway departure crashes nationwide with 23% fatal crashes occurring on horizontal curves in 2015. Mr. Muradvich provided definition of HFST which is a pavement treatment application. Mr. Muradvich mentioned location characteristics criteria for installing HFST. Mr. Muradvich then described the HSIP funding process for MCDOT HFST project and the two project locations where the pilot project was implemented. Severe crashes, presence of horizontal curves, speeding etc. were some of the factors considered for selecting these two locations. Mr. Muradvich mentioned that coefficient of friction value and number of crashes are the two metrics used for evaluating the performance of HFST. Mr. Muradvich highlighted the collaboration between MCDOT and Arizona Department of Public Safety (AZDPS) Vehicular Crime Unit to measure coefficient of friction on the treated surface using brake meter equipment situated inside AZDPS vehicle. Mr. Muradvich presented the values of coefficient of friction both before and after the application of HFST indicating a significant improvement in friction over three years. Mr. Muradvich also showed the number of crashes both for the before and after period of the HFST application. Mr. Muradvich showed two videos demonstrating the vehicular braking performance on both non-HFST and HFST pavements. Mr. Muradvich informed about the cost range and lifecycle of HFST. Chair Kiesow asked about the high cost of HFST and Mr. Muradvich replied that it is because of sourcing the aggregate material from outside of the United States and not being available here. Chair Kiesow asked if any other easily procured aggregates have been evaluated in terms of skid resistance performance and Mr. Muradvich replied in negative. Mrs. Herrera asked

if motorcycles have been used to evaluate the performance of HFST and how motorcyclists navigate through the tests and Mr. Muradvich replied that he did not have any information in that regard. Mrs. Herrea also welcomed and encouraged the idea of presenting similar applications of novel safety countermeasures in MAG region to the committee and emphasized that funding is imperative to save lives irrespective of the high cost associated with HFST. Mr. Taylor asked about the future rehabilitation plan for the HFST surface and Mr. Muradvich replied that they emphasize on a robust maintenance plan to extend the life of the surface as far as possible to make this application a cost effective one. Mr. Pinkerton asked about the wearing characteristics of HFST from cyclists' perspective and Mr. Muradvich replied that it smoothes over time. Chair Kiesow commented that City of Apache Junction started to apply Recycled Asphalt Pavement (RAP) aggregate for pavement treatment and found encouraging results both for chip retention and lifecycle and it would be interesting to compare the performance of RAP and HFST. Mr. Muradvich replied that MCDOT pavement management group could be open to the idea of applying RAP. Mr. Shaheed asked if the crash data presented for the before and after period of HFST application is related to run-off-road crashes or all crashes and Mr. Muradvich replied it included all crashes including fatal and serious injury crashes. Mrs. Herrea asked about the crash query criteria used to extract crashes for the HSIP project application for this project and Mr. Muradvich replied that run-off-road crashes were considered.

Chair Kiesow confirmed that he had not received any request card to comment and asked if any written comments were received for this agenda item and Mr. Shaheed stated there were no written comments submitted for this item.

9. Reports by Committee Members

The next item heard on the agenda was for information only. Chair Kiesow invited members to report on on-going safety related project activities in their jurisdiction.

Vice Chair Abbo from Glendale reported on the design completion for two HAWK signals located at 53rd Ave & Camelback Rd and 58th Ave & Bethany Home Road to reduce pedestrian crashes.

Mr. Pinkerton from Gilbert reported on training for the fire and police department in collaboration with a vendor on signal pre-emption mechanism and its effectiveness.

Mr. Langford from Phoenix reported on installing the 89th HAWK signal in the City

of Phoenix and informed about the newly hired pedestrian safety coordinator.

Mr. Gonani from Buckeye reported on two MAG funded Safe Routes to School studies and a MAG funded road safety assessment through the MAG LASS program.

Mr. Taylor from Scottsdale reported on the preparation of upcoming Request for Proposal for the Safe Streets and Roads for All funded project and ongoing initiative with the police department to develop education campaign for traveling public to drive at a safe speed and familiarize with various traffic control devices using videos and social media.

Mr. Bach from Mesa reported that construction for the Farmdale traffic calming project from Signal Butte to Cheshire had started and would extend into the next year. Countermeasures include speed table and chicane to reduce speeds of traveling vehicles on the roadway.

Mrs. Herrera thanked Chair Kiesow for his leadership over the last two years leading the Transportation Safety Committee.

10. Request for Future Agenda Items

Chair Kiesow asked if any members of the safety committee would like to request for future agenda items. None heard.

11. Next Meeting Date and Place

Chair Kiesow stated that the next meeting of the Transportation Safety Committee would be held from 10:00 a.m. on Tuesday, January 23, 2024, In the MAG 2nd floor Ironwood Room. A virtual option will also be available.

Adjournment

Chair Kiesow thanked members of the committee for their participation adjourned the meeting at 11:42 a.m.

FY 2024 RSA and PA Program
Recommended List of RSA and PA Projects

Agenda Item #6 Attachment

Project No.	Project Type	Agency(ies)	Intersection Rank 2018-2022	Location	Budget
1	RSA	Chandler	11	Price Rd & Queen Creek Rd	\$37,500
			57	Arrowhead Dr A & Ray Rd	
2	RSA & PA	Gilbert	27	Lindsay Rd and Warner Rd	\$52,500
3	RSA	Phoenix	40	24th St & McDowell Rd	\$37,500
			41	24th St & Southern Av	
4	RSA	Phoenix	46	7th Av & Baseline Rd	\$35,000
5	RSA	Tempe	62	Broadway Rd & Hardy Dr	\$37,500
			78	Baseline Rd & Kyrene Rd	

FY 2024 RSA Budget Available **\$200,000**

Total Estimated Budget for Recommended RSAs & PAs **\$200,000**

Roadway Safety Assessment (RSA)
Project Assessment (PA, 15% design)